

Table 8.4c Consumption for Electricity Generation by Energy Source: Commercial and Industrial Sectors, 1989-2009
(Subset of Table 8.4a; Trillion Btu)

Year	Fossil Fuels					Nuclear Electric Power	Renewable Energy							Other ⁹	Electricity Net Imports	Total
	Coal ¹	Petroleum ²	Natural Gas ³	Other Gases ⁴	Total		Conventional Hydroelectric Power ⁵	Biomass		Geo- thermal	Solar/PV ^{5,8}	Wind	Total			
								Wood ⁶	Waste ⁷							
Commercial Sector ¹⁰																
1989	9	7	18	1	36	—	1	2	9	—	—	—	12	—	--	47
1990	9	6	28	1	45	—	1	2	15	—	—	—	18	—	--	63
1991	9	3	28	1	41	—	1	2	15	—	—	—	18	(s)	--	59
1992	8	3	33	1	45	—	1	1	16	—	—	—	19	(s)	--	64
1993	9	4	38	1	53	—	1	1	16	—	—	—	18	(s)	--	71
1994	9	4	42	1	56	—	1	1	17	—	—	—	19	—	--	75
1995	12	4	44	—	60	—	1	1	21	—	—	—	23	(s)	--	83
1996	14	4	44	(s)	62	—	1	1	31	—	—	—	33	(s)	--	95
1997	14	5	40	(s)	59	—	1	1	34	—	—	—	35	(s)	--	94
1998	11	5	42	(s)	57	—	1	1	32	—	—	—	34	—	--	91
1999	12	6	40	(s)	57	—	1	(s)	33	—	—	—	35	(s)	--	92
2000	12	5	38	(s)	55	—	1	(s)	26	—	—	—	28	(s)	--	82
2001	13	6	37	(s)	56	—	1	(s)	15	—	—	—	16	7	--	79
2002	9	4	31	(s)	44	—	(s)	(s)	18	—	—	—	19	11	--	73
2003	13	5	39	—	58	—	1	(s)	19	—	—	—	21	11	--	89
2004	8	5	34	—	46	—	1	(s)	19	—	—	—	21	11	--	78
2005	8	4	35	—	46	—	1	(s)	20	—	—	—	21	10	--	78
2006	8	2	35	—	45	—	1	(s)	21	—	—	—	22	10	--	77
2007	8	2	35	—	44	—	1	(s)	19	—	—	—	20	10	--	75
2008	8	1	^R 34	—	^R 43	—	1	(s)	20	—	^R (s)	—	21	11	--	^R 75
2009 ^P	7	1	33	—	41	—	1	(s)	20	—	(s)	—	21	11	--	72
Industrial Sector ¹¹																
1989	229	52	456	83	820	—	28	267	15	—	—	—	311	37	--	1,168
1990	233	79	530	104	946	—	31	335	16	—	—	—	382	36	--	1,364
1991	228	74	537	118	957	—	30	318	14	—	—	—	362	55	--	1,374
1992	246	84	559	128	1,017	—	31	359	15	—	—	—	405	37	--	1,459
1993	256	77	562	123	1,019	—	30	355	17	—	—	—	401	31	--	1,451
1994	261	75	584	123	1,043	—	62	364	14	—	—	—	440	38	--	1,521
1995	259	66	617	114	1,057	—	55	373	13	—	—	—	440	40	--	1,537
1996	261	74	626	143	1,104	—	61	394	13	—	—	—	468	35	--	1,607
1997	260	63	637	105	1,064	—	58	367	14	—	—	—	439	36	--	1,538
1998	245	67	643	102	1,056	—	55	349	13	—	—	—	417	35	--	1,508
1999	242	68	660	112	1,081	—	49	364	8	—	—	—	422	39	--	1,542
2000	245	61	660	107	1,074	—	42	369	10	—	—	—	421	45	--	1,540
2001	227	62	674	88	1,051	—	33	370	7	—	—	—	410	44	--	1,504
2002	255	55	697	106	1,113	—	39	464	15	—	—	—	518	43	--	1,675
2003	217	61	687	127	1,093	—	43	362	13	—	—	—	419	46	--	1,558
2004	151	42	585	108	885	—	33	194	5	—	—	—	231	41	--	1,158
2005	145	39	534	85	804	—	32	189	5	—	—	—	226	46	--	1,076
2006	143	31	554	87	814	—	29	187	3	—	—	—	219	35	--	1,068
2007	111	30	572	88	800	—	16	188	4	—	—	—	208	41	--	1,050
2008	^R 109	^R 21	^R 537	^R 73	^R 740	—	^R 17	^R 179	^R 5	—	—	—	^R 200	^R 39	--	^R 980
2009 ^P	96	20	526	64	706	—	18	164	4	—	—	—	187	31	--	923

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, plus a small amount of supplemental gaseous fuels.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Values are converted from kilowatt-hours to Btu using the approximate heat rates in Table A6.

⁶ Wood and wood-derived fuels.

⁷ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

⁸ Solar thermal and photovoltaic (PV) energy.

⁹ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

¹⁰ Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

¹¹ Industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

R=Revised. P=Preliminary. — = Not applicable. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for energy consumed to produce electricity. • See Table 8.4b for electric power sector electricity-only and CHP data. • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.gov/fuelelectric.html>.

Sources: • 1989-1997—U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • 1998-2000—EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001-2003—EIA, Form EIA-906, "Power Plant Report." • 2004-2007—EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • 2008 and 2009—EIA, Form EIA-923, "Power Plant Operations Report."